

XP-002297766

(C) WPI/Derwent

AN - 1978-28042A [15]

A - [001] 011 02& 04- 05- 075 151 153 163 192 194 231 249 331 359 541 545
546 549 642 684 720

CPY - TEIJ

DC - A91

FS - CPI

IC - B01J39/18 ; C08G18/83 ; C08G73/06

KS - 0016 0020 0203 0226 0231 1311 1792 2012 2181 2198 2600 2607 2609 2705

MC - A05-J02 A10-E12 A12-M05

PA - (TEIJ) TEIJIN LTD

PN - JP53023398 A 19780303 DW197815 000pp

- JP61034455B B 19860807 DW198636 000pp

PR - JP19760097418 19760817

XIC - B01J-039/18 ; C08G-018/83 ; C08G-073/06

AB - J53023398 Polyhydantoin contg. pendant sulphonic acid gp. comprising mainly the repeating unit of formula (A) is produced by sulphonating polyhydantoin comprising mainly the repeating units of formula (B) with sulphonating agent opt. in the presence of active solvents.
- In the formula (B) -Hy- is at least one of the hydantoin skeletons of formulae (C) or (D). R is ≥ 1 of the divalent organic gps. having an average of 6-40c and contg. aromatic carbon atoms in amts. $>40\%$ of the average carbon numbers. In (C) and (D), R1, R2, R3, R4 are independently H and monovalent organic gps. In (A) R is ≥ 1 of the (2+p) valent organic gps. having average of 6-40C and contg. aromatic carbon atoms in amts. $>40\%$ of the average carbon numbers; -SO₃H is bonded to the aromatic carbon atom of R; p is an average value defined by a given formula.

IW - SULPHONIC ACID GROUP CONTAIN POLYHYDANTOIN COMPOUND ION
EXCHANGE

MEMBRANE MECHANICAL PROPERTIES RESISTANCE CHEMICAL HYDROLYSIS
HEAT

IKW - SULPHONIC ACID GROUP CONTAIN POLYHYDANTOIN COMPOUND ION
EXCHANGE

MEMBRANE MECHANICAL PROPERTIES RESISTANCE CHEMICAL HYDROLYSIS
HEAT

NC - 001

OPD - 1976-08-17

ORD - 1978-03-03

PAW - (TEIJ) TEIJIN LTD

TI - Sulphonic acid gp.-contg. polyhydantoin cpds. - used for ion exchange membranes having excellent mechanical properties and resistance to chemicals, hydrolysis and heat